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Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

PATENT
Attorney Docket No.: 015270-006460US
Client Ref. No.: 228-US-NEW4

On April 23, 2007

TOWNSEND and TOWNSEND and CREW LLP

By: [Signature]
Susan J. Johnson

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Varghese John et al.

Application No.: 09/730,329

Filed: December 4, 2000

For: BETA-SECRETASE ENZYME
COMPOSITIONS AND METHODS

Customer No.: 20350

Confirmation No.

Examiner: C. Kam

Technology Center/Art Unit: 1653

AMENDMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the Office Action mailed January 22, 2007, please enter the following amendments and remarks:

Amendments to the Specification begin on page 2 of this paper.

Amendments to the Claims are reflected in the listing of claims which begins on page 7 of this paper.

Remarks begin on page 9 of this paper.

An **Appendix** including a paper copy of the substitute sequence listing is enclosed following page 10 of this paper.